PROCESS FOR WELDING STEEL TO COPPER

ABSTRACT OF THE DISCLOSURE

A process for joining a steel terminal to a copper electrode comprises applying a thin silver-copper flash to the surface of a copper electrode and bringing a steel surface into contact with the flash during high frequency welding. The weldment is improved compared to conventional welds that do not incorporate the flash layer. For example, a silver - 18 wt% copper alloy having a thickness of about 180 microns produced uniform, high quality welds between nickel steel terminals and 99.999% pure copper electrodes.